

SUMMARY OF
SUBMARINE INTERACTIVE COURSEWARE TRAINING SYS

NOVEMBER 1997

Device 21H27A

NAVAL AIR WARFARE CENTER TRAINING SYSTEMS DIVISION

ORLANDO, FL



TRAINING CATEGORY:

SUBMARINE SYSTEMS

ORIGINATING AGENCY:

NAVSEA

**SECURITY CLASSIFICATION OF
DEVICE:**

Device 21H27A is
unclassified

PURPOSE OF DEVICE:

Provides Interactive Courseware (ICW) training on the operation and maintenance of submarine systems prior to commencing hands on performance on actual equipment.

INTENDED USE:

ICWTS can provide classroom prerequisite, pipeline, advanced, and refresher training on a variety of submarine systems. Additional ICW can be developed for the ICWTS, but currently includes SSN System Level Weapons Handling, Stowage, and Launching System Combined Maintenance, 6L16 Oxygen Generator Training, 500 KW Ships Service Motor Generator, High Pressure Air Compressor (Worthington HPAC), R-114 (YORK) 200 Ton AC System, 10/70 KW Ships Service Motor Generator, AN/BQQ-5E Sonar Operation and Maintenance, AN/BSY-1 - Version I, Version II, ECI.

FUNCTIONAL DESCRIPTION:

Device 21H27A is installed in a classroom training facility at multiple locations. Device 21H27A consists of ICW and a Commercial Off-The-Shelf (COTS) delivery system. The ICWTS consists of one instructor station and up to twelve student stations.

The major components of the instructor station are a file server, a laser printer, and an instructor work station, consisting of a Pentium 166Mhz computer system, color monitor, keyboard, mouse, and headset. The student station components are the same as the instructor work station. A Local Area Network (LAN) interfaces the instructor work station and student stations via the file server.

PHYSICAL INFORMATION:

The ICWTS can be placed in locations as required for training. The ICWTS classroom requires 30,000 BTU/H cooling environmental air conditioning, and must operate at 55-85 F and 30-70% relative humidity.

Classroom/laboratory space for the ICWTS will be approximately 5'L X 5'W for each station. Additional personnel access space is required for access to the trainer for training and maintenance. The ICWTS classroom area requires a minimum area of 500 square feet for training with 6 student stations and 625 square feet for training with 10 student stations.

EQUIPMENT REQUIRED (Not Supplied):
NONE

POWER REQUIREMENTS:

120vac, 60 HZ, 4 Amps single phase per station

One 15 Amp circuit breaker for every three stations

One 20 Amp circuit breaker, dedicated circuit, power conditioner/ surge protector for the host processor

Emergency Power Off switch at each room exit door.

PUBLICATIONS FURNISHED:

Systems Interface Manual, ICWTS, Device 21H27A, with PMS and Parts Catalog, NAWCTSD P-7117(U). See NAWCTSD P-7117(U) for supplemental documents.

Training System Utilization Handbook, ICWTS, Device 21H27A NAWCTSD P-7118(U). See NAWCTSD P-7118(U) for supplemental documents.

PERSONNEL:

Instructor personnel will be submarine school graduates, instructor qualified, and in paygrade E-5 or above. One instructor is required for the six or ten student station configuration.

Contractor Operation and Maintenance of Simulators (COMS) will operate and maintain the ICWTS.

CONTRACT IDENTIFICATION:

Naval Air Warfare Center
Training System Division, Orlando,
FL

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